

# TRANSFORMING OPEN ACCESS FROM THE TOP DOWN: HOW ARE FUNDER MANDATED OPEN ACCESS PROGRAMS WORKING?

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## OPEN ACCESS

### BUDAPEST (2002), BETHESDA (2003) & BERLIN (2003) STATEMENTS ON OPEN ACCESS

ACCESS TO RESEARCH TO BE DIGITAL, ONLINE  
FREE USE, FREE OF MANY RESTRICTIONS FROM  
COPYRIGHT AND LICENSING AGREEMENTS

COST/BENEFITS BALANCE TO BE DETERMINED  
PEER-REVIEW IMPORTANT  
PERMANENT STABLE ARCHIVES VITAL

BUDAPEST : 4100+ SIGNATORIES  
BERLIN: 150+ SIGNATORIES

### WHO PAYS FOR FREE ACCESS?

AUTHOR CHARGES (\$500-\$1500-??) MAY BE  
COVERED BY RESEARCH FUNDING  
AUTHOR'S INSTITUTION (BMC)  
SUBMISSION FEES MAY BE WAIVED or REDUCED  
AS NECESSARY  
DONATIONS & GRANT SUPPORT DIRECTLY TO  
JOURNALS  
ENDOWMENTS TO PROVIDE SUSTAINABILITY

### SUBSCRIPTION COSTS/BENEFITS

(BERGSTROM / MCAFFEE MODEL [www.journalprices.com](http://www.journalprices.com))

JOURNAL	Impact	\$/Article	\$/Citation	Composite price index	Relative cost index
Ann Rev Immun	52.43	7.46	0.07	0.73	0.43
CA Can J Clin OA	44.52	0	0	0	0
New Engl J Med	38.57	1.43	0.02	0.2	0.11
JAMA	24.83	1.11	0.03	0.2	0.12
Physiol Rev	33.92	11.76	0.22	1.61	0.95
Nat Rev MolCellBiol	33.17	34.26	2.06	8.4	3.92
Rev Mod Phys	32.77	12.5	0.32	2.01	0.66
PNAS OA	10.45	0.2	0	0.04	0.01
Nature	32.18	1.36	0.03	0.2	0.06
Science	31.85	0.43	0	0.06	0.02
Medicine overall	n/a	7.22	1.38	7.12	n/a
Medicine non-profit	n/a	2.28	0.34	2.56	n/a
Medicine for-profit	n/a	9.23	1.99	8.5	n/a

JOURNAL OF THE MEDICAL LIBRARY ASSOCIATION: OPEN ACCESS IMPACT  
PRINT RUN: 5000 COPIES  
UNIQUE USERS VIA PUBMEDCENTRAL: 20,000/MONTH  
ESTIMATE OF UNIQUE READERS VIA PUBMED CENTRAL: 30,000/MONTH  
(Plutchak J Med Libr Assoc 2005; 93:419)

## MANDATES BY FUNDING AGENCIES

### NIH PUBLIC ACCESS POLICY (MAY 2005)

ELIGIBLE MANUSCRIPTS:  
NIH-FUNDED RESEARCH  
ACCEPTED IN PEER-REVIEWED JOURNALS  
DEPOSITING MANUSCRIPTS IS **REQUESTED** BUT NOT REQUIRED.  
DEPOSIT FULFILLS REPORTING REQUIREMENT FOR NIH GRANT  
SUPPORT



AUTHOR ESTABLISHES RELEASE DATE, BETWEEN DATE OF  
PRINT PUBLICATION AND 12 MONTHS AFTER.

### TO DATE:

c5000 MANUSCRIPTS SUBMITTED (4% OF THOSE ELIGIBLE)  
c2500 MANUSCRIPTS NOW AVAILABLE

ESTIMATED COST TO MAINTAIN ARCHIVE: TO \$3.5M/year

### TWO BILLS BEFORE US CONGRESS REQUIRE SUBMISSION:

Lieberman/Cochrane "Cures" Bill: NIH only  
Cornym/Lieberman "Federal Research Public Access Act": all US  
agencies with more than \$100M funding

### HOWARD HUGHES MEDICAL INSTITUTE (JULY 2005)

OPEN ACCESS PUBLICATIONS SUPPORT HHMI'S MISSION  
REIMBURSEMENT OF UP TO \$3000/INVESTIGATOR/YEAR TO  
SUPPORT COSTS OF OPEN ACCESS PUBLICATION

### WELLCOME TRUST OPEN ACCESS POLICY (OCTOBER 2005)

MANDATED SUBMISSION WITHIN 6 MONTHS OF PUBLICATION.  
c100 MANUSCRIPTS SUBMITTED TO PMC ARCHIVE TO DATE.  
UKPMC TO BE ESTABLISHED, WITH LINKS TO ADDITIONAL  
RESOURCES TO BE INCLUDED.  
1% OF GRANT BUDGET IS EARMARKED FOR PUBLISHING.  
COPYRIGHT AMENDMENT LANGUAGE HAS BEEN DEVELOPED.

### RESEARCH COUNCILS OF THE UK (OCTOBER 2005)

POSITION STATEMENT ONLY; POLICY IS DUE SOON.

### MAX PLANCK INSTITUTES (OCTOBER 2003)

ENCOURAGE PUBLISHING IN OA JOURNALS.  
ENCOURAGE DEPOSIT IN INSTITUTIONAL REPOSITORIES.

### BERLIN-4 CONFERENCE (MARCH 2006)

INDIA: 100 OPEN ACCESS JOURNALS.  
NO AUTHOR FEES (INTERNATIONAL DEVELOPMENT RESEARCH CENTRE)  
c20 INSTITUTIONAL ARCHIVES.

### SOUTH AFRICA

5 OPEN ACCESS JOURNALS.  
4 INSTITUTIONAL ARCHIVES.

### UKRAINE

PROTODIRECTORY OF OA JOURNALS AND REPOSITORIES.  
OA: A PARLIAMENTARY PRIORITY.

## GLOBAL RESOURCES

### RESOURCES AVAILABLE TO ALL

PUBMED AND OTHER NCBI FILES

PUBMED CENTRAL JOURNALS

FREE ARCHIVES FOR MANY JOURNALS

(FREE FULLTEXT LIMIT IN PUBMED)

LILACS, INDMED, INDEX MEDICUS for the  
EASTERN MEDITERRANEAN REGION,  
SOUTH-EAST ASIAN REGION and AFRICA



### DIRECTORY OF OPEN ACCESS JOURNALS

2200+ JOURNALS; 97,000+ ARTICLES



### OPEN J-GATE - 3000+ JOURNALS, 1,000,000+ ARTICLES

3000 JOURNALS THROUGH HINARI FROM 11  
PUBLISHERS (DEVELOPING COUNTRIES)



128 HIGHWIRE PRESS TITLES (DEVELOPING COUNTRIES)

### INSTITUTIONAL and PERSONAL REPOSITORIES

#### OPEN ACCESS REPOSITORIES: CONCEPTS, NEWS

--EASY ARCHIVING.  
--INCREASED EXPOSURE, CITATIONS.  
--INTERNATIONAL ACCESS.  
--LONG-TERM PRESERVATION.  
--81% OF SURVEYED AUTHORS INDICATE  
WILLINGNESS TO COMPLY WITH MANDATED DEPOSIT  
([www.keyperspectives.co.uk/openaccessarchive](http://www.keyperspectives.co.uk/openaccessarchive))  
--95% OF JOURNALS ALLOW AUTHORS TO DEPOSIT  
MANUSCRIPTS IN INSTITUTIONAL OR PERSONAL  
REPOSITORIES

#### REPOSITORY DIRECTORIES:

OpenDOAR [www.opendoar.org](http://www.opendoar.org)  
380 INSTITUTIONS  
DIRECTORY ONLY



OAISTER: [oaister.umdl.umich.edu](http://oaister.umdl.umich.edu)  
620 INSTITUTIONS; 7 MILLION RECORDS  
DIRECTORY + SEARCH ENGINE

#### ISSUES IN OPEN ACCESS PUBLISHING

--FUNDER POLICIES ARE MANDATING CHANGE.  
--COPYRIGHT ALLOWS RANGE OF OPTIONS.  
--PUBLISHERS' POLICIES VARY  
([www.sherpa.ac.uk/romeo.php](http://www.sherpa.ac.uk/romeo.php)).  
--EASIER ACCESS MAY YIELD MORE CITATIONS SOONER.  
--MAY BE CHEAPER THAN REPRINTS.  
--OA ADVANCES KNOWLEDGE IN SCIENCE & HEALTH.  
--GLOBAL IMPACT.  
--SUSTAINABLE PRICING AND ACCESS MUST BE  
DEVELOPED AND IMPLEMENTED.  
--CHANGE IS INEVITABLE.